

inst-bpm - Task #9030

Milestone # 9017 (Accepted): State Machine subsystem

Implement attach-to-tclk support for BTime

06/03/2015 01:45 PM - John Diamond

Status:	Closed	Start date:	06/03/2015
Priority:	Normal	Due date:	
Assignee:	John Diamond	% Done:	100%
Category:	btime	Estimated time:	16.00 hours
Target version:		Spent time:	31.25 hours
Description			
This feature allows the client to attach an RTAI mailbox to a TCLK event. When the hardware decodes the TCLK event a message will be sent to the RTAI mailbox.			

History

#1 - 06/03/2015 01:49 PM - John Diamond

- Category set to btime

#2 - 06/03/2015 04:30 PM - John Diamond

- % Done changed from 0 to 10

- Estimated time changed from 4.00 h to 16.00 h

#3 - 06/06/2015 01:56 PM - John Diamond

We should test the interrupt problem using the sysfs interface and no digitizer attached to isolate the source of interrupts.

#4 - 06/08/2015 02:22 PM - John Diamond

Removed the digitizer but the interrupts persist.

#5 - 06/09/2015 01:57 PM - John Diamond

Believe now that the problem could be a bad TCLK or RF clock signal on the test stand.
Asked Peter to look into it.

#6 - 06/09/2015 02:47 PM - John Diamond

- % Done changed from 10 to 50

Traced the errant interrupts to a missing RF clock signal.
An RF clock signal is necessary to decode TCLK.

#7 - 06/09/2015 04:15 PM - John Diamond

- Status changed from Accepted to Resolved

- % Done changed from 50 to 100

Verified that we receive notifications for all Booster reset (\$10) events during a super cycle.

#8 - 06/10/2015 02:39 PM - John Diamond

- Status changed from Resolved to Closed